

# Explosion-protected floodlight

# for the Zone 2 and 21

## NFMV floodlight for high pressure discharge lamps metal version for Zone 2/21:

The explosion-protected floodlights NFMV in accordance to the ATEX-Directive 94/9/EG.

They have been built and tested according to the European Standard for Gas-Ex-Areas of Zone 2 classification as well as for use in Dust-Ex-Areas of Zone 21.

The light fitting series NFMV for high pressure lamps with a rating of 150 W up to 400 W and have a high quality built-in reflector. The enclosure of the NFMV is made of light alloy with epoxy powder coating. The transparent part consists of a temperature stable, impact resistant glass.

The modular architecture allows for a quick and cost-effective installation of the light fittings. Apart from the direct mounting per swivel bracket there is also a pole version available.

A particularly durable sealing system for use under extreme climatic conditions brings additional reliability.

The restricted breathing version allows a high illumination combined with a convenient temperature classification T3.



- Swivel light fitting housing, also for pole mounting
- Ideal for illumination of large areas and selective individual objects
- Degree of protection IP66
- High corrosion resistance
- Restricted breathing version
- For environmental temperatures up to +55 °C/ 50 °C



NFMV ...	
Marking to 94/9/EC	⊕ II 3 G Ex nR II T3 ⊕ II 2 D Ex tD A21 IP66 T200°C
Type Examination Certificate	DEMKO 10 ATEX 0907694
EC Type Examination Certificate	DEMKO 10 ATEX 147285
Permissible ambient temperature	-25 °C to +55 °C (250W) / +50 °C (400 W)
Rated voltage	230 V (220 V and 240 V option )
Frequency	50 Hz (60 Hz option)
Power factor cos φ	> 0,9
Connecting terminals	L, N and PE; 2x 4 mm <sup>2</sup>
Insulation class	I
Lamp cap	E 40 acc. IEC 60238
Light efficiency in operation	60 %
Degree of protection accd. EN 60529	IP 66
Cable glands/Gland plates/Enclosure drilling	1 x M20 x 1.5 cable gland, 1 x M20 thread plugged
Dimensions (L x W x H)	600 x 458 x 173 mm
Enclosure material	light alloy with epoxy powder coating
Enclosure colour	grey
Protective cover/protective bowl	borosilicate glass

Other voltages and frequencies on request.

### Ordering details

Type	HSE Lamp	Rated luminous flux	HIE Lamp	Rated luminous flux	Rated current	Weight (approx. kg)	Order No.
NFMV...							
HSE 150 W	150 W	14000 lm	---	---	1,06 A	15,5	NOR 000 005 180 021
HSE/HIE 250 W	250 W	25000 lm	250 W	17000 lm	1,35 A	16,9	NOR 000 005 180 024
HSE/HIE 400 W	400 W	47000 lm	400 W	30000 lm	2,00 A	18,6	NOR 000 005 180 027

### Dimensions / Polar curves

